

6177-014
6-14-78

Subject: Monthly Progress Report #8

Enclosure: (1) Failure Reports

Gentlemen:

This monthly progress report is submitted in compliance with the requirements of paragraph 4.6 of the Statement of Work and covers the period of 1 May 1978 through and including 31 May 1978. This report gives a summary of the accomplishments and identifies the work scheduled for the next reporting period.

Accomplishments

- o Final testing of Modules 4 and 6 was initiated.
- o A revised schedule was presented to the COTR early in May. In addition four major problem areas were identified as being critical to meeting that schedule. As a confidence check I had two senior members of SCI's staff review the problem areas and conduct a technical audit of the software implemented to date. The problems and recommended solutions presented in May were confirmed. No other problems were identified.
- o Coding progressed slower than planned because we lost two key members of our staff. An additional person was added to the project to try and pick up the slack.
- o Some progress has been made toward system integration. The File Manager module has been interfaced with simulations of all of the modules that will impact its design.

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Problems

- o Base Page Linkage - situation unchanged. Everyone is aware of the limitations imposed and we have established procedures to minimize the impact. The problems will surface during system integration.
- o Scheduling/Disc Contentions - Some of the disc contention/scheduling problems have been reduced by making use of resource numbers. Routines of several modules which make use of Time-List scheduling could still present disc contention problems. The impact of this is that it slows portions of the system down. ✓
- o Hardware failures - As the attached failure reports reflect we were inconvenienced by down time due to equipment failures. The cumulative down time for the period was 3 days.
- o Core Requirements - No change since the meeting held in May. We purchased a software package from HP (DVR67) which was reported to have the ability to remove drivers from RTE II core resident status to a disc overlay status. The results were negative. The software package was not compatible with RTE II. We are continuing to look for ways of minimizing the RDT core requirements. We are in a vicious loop because by putting programs out on disc we increase system response time.
- o Micro coding - no change since the meeting in May.

Plans for Next Period

- o The coding of all the modules should be completed in the next report period.
- o Modules 4, 6, and 14 are scheduled to be tested by 15 June.
- o Modules 2, 3, 7, and 9 are scheduled to be tested by 1 July.
- o Modules 1, 10 and 11 are scheduled to be tested by 15 July.
- o Integration testing is scheduled to start on 1 July however we are making some initial tests on the file manager which will make the integration process a little easier.

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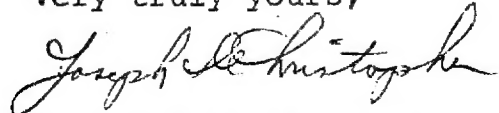
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Cost Performance Profile:

The data presented below are engineering estimates and do not reflect actuals as collected by SCI's standard accounting procedures to be submitted in accordance with the progress payments clause of the contract.

Manhours expended to date	9,474
Contract value	\$287,815
Funds expended to date	\$239,601
Funds remaining	\$ 48,214

Very truly yours,



Joseph DeChristopher
Program Manager

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FAILURE REPORT

PROJECT: 6177

REPORT # 024

Unit Description: 12962A Disc Subsystem including 7905A Disc
serial number 1630A01308

Date of Failure: 05/03/78

Failure mode: Disc would not function - error light remained on.

Corrective Action: Hewlett-Packard was called and their service-
man traced the problem to a loose receiver
guide. He glued same - correcting the malfunction.
The device was down 2 days.

Approved by:

James E. Landon

Date 5 May 1978

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FAILURE REPORT

PROJECT: 6177

REPORT # 025

Unit Description: Line Printer model 12975A serial number 1642A00513

Date of Failure: 05/18/78

Failure mode: Line Printer was not printing in certain columns.

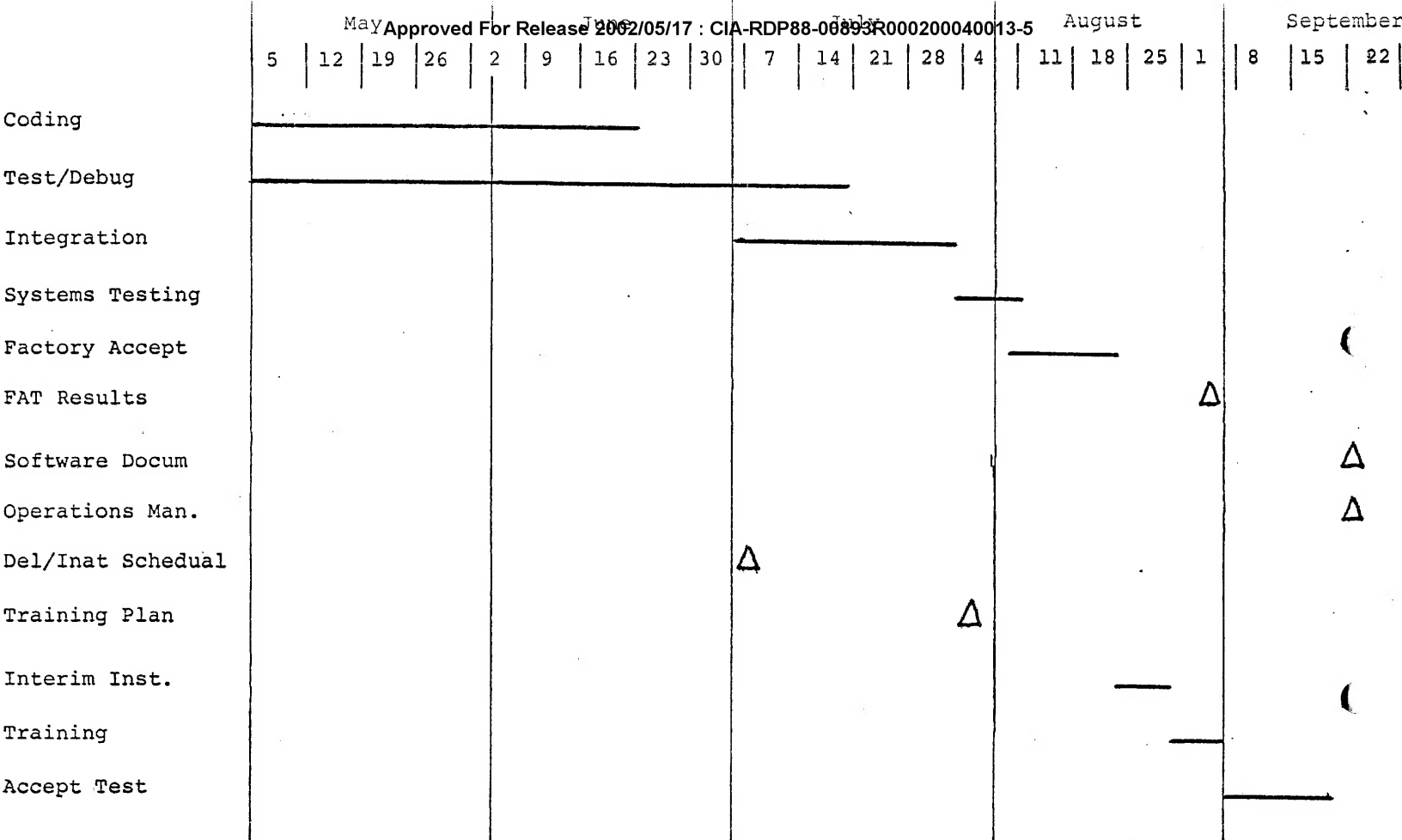
Corrective Action: Hewlett-Packard was called and their service-man found the malfunction to be a hammer driver. He replaced the hammer driver, thereby correcting the problem. The device was down 1 day.

Approved by:

James E. Linderman

Date 19 May 1978

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PROJECT 6177 (RDT) MILESTONE CHART

NOTE: Dates indicated above are for the week ending